



Postdoctoral Research Assistant in Isotope Geochemistry in Planetary magmatology

CRPG, Nancy, France

The “CRPG, Nancy, France” seeks to appoint a 2 years postdoctoral research assistant within the isotope geochemistry group.

The main goal of the project is the study of **novel siderophile and volatile elements and their stable isotope** composition in the Earth’s mantle and crust, and in planetary silicate reservoirs, aiming at improving our knowledge on the conditions of mantle formation and evolution from the earliest stages of solar system history to the present. This study is part of a multidisciplinary and interdisciplinary collaborative project funded by the French National Research Agency and coordinated by CRPG-Nancy that gathers research groups in IRAP-GET-CIRIMAT Toulouse, MNHN-Paris, LMV Clermont-Ferrand, Florida State University, offering large opportunities of scientific interaction for the selected candidate.

The position will involve state-of-the-art chemistry and MC-ICPMS isotopic analyses of mantle and crustal samples from the Earth and planetary bodies, and data interpretation in order to define models of isotopic fractionation relevant to the thermodynamic conditions of planet differentiation. The successful applicant will work in close collaboration with Dr. Béatrice Luais at the CRPG, Dr. Mickael Toplis at IRAP-Toulouse, and Prof. M. Humayun (Florida State University).

The Centre de Recherches Pétrographiques et Géochimiques (CRPG, UMR 7358 CNRS-UL) located in Vandoeuvre-les-Nancy in the East of France, is a joint laboratory in Geosciences of the CNRS-INSU and the Université de Lorraine (UL). The isotope geochemistry group within the “Cosmochemistry and Planetology” team at CRPG include about 13 researchers and research engineers, and hosts a large range of analytical facilities (ICP-MS, TIMS, MC-ICP-MS Neptune*Plus*, newly installed clean labs, Ion Probes, EMPA, SEM). <https://crpg.univ-lorraine.fr/en/home/>

Qualifications:

Candidates must have a PhD in Earth Sciences or a related discipline, with a strong knowledge in cosmochemistry/planetology/mantle geochemistry, and elemental - heavy stable isotope geochemistry. Specific experience and rigor in geochemical/isotope analyses using MC-ICP-MS are required. A good level of fluency in English and writing proficiency are required.

How to apply:

This is a full-time, fixed-term post starting from fall 2022, or early 2023 at the latest.

Applicants should submit a letter of motivation, a CV (4 pages maximum), and the contact information of two referees on the CNRS website

<https://emploi.cnrs.fr/Offres/CDD/UMR7358-BEALUA-002/Default.aspx>

Applications must be received by the end of October 2022, or until the position is filled.

Summary:

Contract terms: 2 years, starting from late 2022 or January 2023 at the latest.

Salary: 2833 Euros (monthly gross salary) or higher (depending on the number of years after PhD diploma).

Application deadline: October 2022, or until filled.

Contact: Dr. Béatrice Luais (luais@crpg.cnrs-nancy.fr, or beatrice.luais@univ-lorraine.fr)